Facilities Management
Project Summary
2014

Gross Hall –
Basement Renovation

Project Scope:
Through the course of recent renovations on the upper floors of Gross Hall, nearly half of the existing mechanical area has been cleared of mechanical and electrical equipment and now presents an opportunity to introduce new program space to the building. This project proposes to renovate basement space and the recently vacated mechanical areas in the sub-basement to accommodate a prototype fabrication lab and team rooms to be used for collaborative research projects.

Program:
Space is needed to create a project-focused hub to support the interdisciplinary centers already present in the building including the Duke Energy Initiative and The Centers for Sustainability and Commerce and Duke Innovation and Entrepreneurship as well as departments campus wide.

Architecture & Engineering:
The recommended architect, Lord Aeck Sargent has performed a feasibility study for this area which consists of two distinct zones: the upper basement at the level of the loading dock and elevator, and the lower basement, which is depressed approximately 15’ which formerly housed two large air-handling units. Upgrades are required to the existing egress at the loading dock and a second means of egress is required from the area.

Site/Location:
Located at the northwest corner of the intersection of Towerview Drive and Science Drive, Gross Hall is located centrally to Duke’s graduate programs, including Fuqua School of Business, Sanford School of Public Policy, Law School, Nicholas School and Pratt School of Engineering making it a convenient hub for interdisciplinary teaching and research.

Sustainability:
Although LEED certification will not be pursued, this project will incorporate design recommendations of the US Green Building Council such as energy efficient HVAC and high performance building materials. All construction and demo debris will be sorted for recyclable materials. Finishes will include rapidly renewable products and low VOC paints and adhesives.